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**Walker et al.**(10) **Pub. No.: US 2015/0332395 A1**(43) **Pub. Date: Nov. 19, 2015**(54) **CRYPTOGRAPHIC CURRENCY FOR  
SECURITIES SETTLEMENT***G06Q 20/06* (2006.01)*G06Q 20/38* (2006.01)(71) Applicant: **Goldman, Sachs & Co.**, New York, NY  
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*20/36* (2013.01)(72) Inventors: **Paul Walker**, New York, NY (US); **Phil**  
**J. Venables**, New York, NY (US)(21) Appl. No.: **14/528,289**(22) Filed: **Oct. 30, 2014****Related U.S. Application Data**(60) Provisional application No. 61/994,650, filed on May  
16, 2014.**Publication Classification**(51) **Int. Cl.***G06Q 40/04* (2012.01)*G06Q 20/36* (2006.01)(57) **ABSTRACT**

The present disclosure is directed to security settlement in financial markets and cryptographic currencies. Particular portions of the present disclosure are directed to a cryptographic currency protocol and to a cryptographic currency that includes a positional item. The cryptographic currency protocol supports a virtual wallet that, in various embodiments, is a security and cash account for storing and managing the cryptographic currency. Opening a transaction via the virtual wallet to transfer the cryptographic currency is a strong guarantee of the availability of funds in the virtual wallet because, e.g., funds are not transacted unless the commit phase is successful.

